

**Notice of Allowability**

Application No.

10/713,583

Applicant(s)

BERGMANN ET AL.

Examiner

Dung (Michael) T. Nguyen

Art Unit

2828

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/14/03.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 07/26/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## DETAILED ACTION

### *Allowable Subject Matter*

Claims 1-17 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 1, 12, and 17 have been allowed over the Miyamoto et al. (5369655) and Hirschmann et al. (6191538) prior art because they fail to teach, taken singly or combined, the limitations of a magnetic compressor coupled across the first capacitor such that the stepped up voltage stored in the first capacitor can be discharged through the magnetic compressor in order to reverse a polarity of the stepped up voltage stored in the first capacitor; and discharge electrodes in the discharge chamber capable of receiving the reversed polarity stepped up voltage on the first capacitor and the stepped up voltage on the second capacitor, the first and second capacitors being in series with each other relative to the discharge electrodes, whereby a total voltage applied across the electrodes is approximately twice the stepped up voltage.

Miyamoto discloses in Fig.4 a primary storage capacitor  $C_0$  capable of storing a voltage, a step-up transformer  $Tr$  coupled to the primary storage capacitor for receiving the voltage from the primary storage capacitor and outputting a stepped up voltage; a first capacitor  $C_1$  and a second capacitor  $C_2$  each coupled with the step of transformer for receiving and storing the stepped-up voltage output from the step-up transformer, the first capacitor and the second capacitor also coupled to each other in parallel relative to the step up transformer and discharge electrodes 8-9 but lacks the limitations as disclosed above. Hirschmann discloses in Fig.2 a primary storage capacitor  $C_2$  capable of storing a voltage, a step-up transformer  $Tr'$  coupled to the primary storage capacitor for receiving the voltage from the primary storage capacitor and

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outputting a stepped up voltage; a first capacitor C4 and discharge electrodes E1-E2 but also lacks the limitations as disclosed above

Claims 2-11 and 13-16 have been found allowable due to their dependency on claims 1 and 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

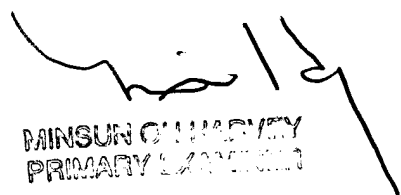
### **Communication Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 9:00 - 19:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Harvey can be reached on (571) 272-1835. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 306-5511 for regular communications and (703) 306-5511 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Nguyen (Michael) Dung

  
MIN SUNG HARVEY  
PRIMARY EXAMINER